



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010620
CERTIFICATION DATE: November 13, 2013
DATE RECERTIFICATION DUE: May 12, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy
Program Manager, Calibration & Training

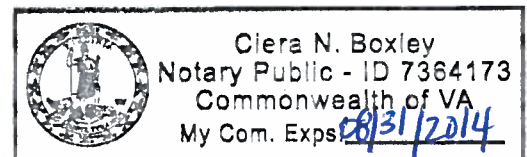
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TLN



DBH
NSK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/19/2013**

Instrument Serial Number: 010620

As of 19-Nov-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
13-Nov-13	13-Nov-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
30-May-13	30-May-13	DBH (21250)	CERTIFIED.
12-Dec-12	12-Dec-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
06-Jul-12	06-Jul-12	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
18-Jan-12	18-Jan-12	DBH (21250)	CERTIFIED.
28-Jul-11	28-Jul-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
01-Feb-11	01-Feb-11	RJP (22428)	CERTIFIED.
19-Aug-10	19-Aug-10	RJP (22428)	CERTIFIED.
03-Mar-10	03-Mar-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
15-Sep-09	15-Sep-09	RJP (22428)	CERTIFIED.
08-Apr-09	08-Apr-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
08-Jan-09	08-Jan-09	RJP (22428)	CERTIFIED.
05-Nov-08	05-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
M

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010620 Worksheet Start Date 11/13/2013

Location Louisa CO SO

Address 1 Woolfolk Ave Louisa VA 23093

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	100
Keyboard		Certificates of Analysis	100
Printer		Operator Worksheet	100
UPS		Other:	

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010620

Certification Date 11/13/2013

Instrument Barometer (mm HG) 763

Reference Barometer (mm HG) 763

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.248
0.250	0.251	0.243	0.258	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.247
0.001		0.247	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.150	0.145	0.154	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-28

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

11/19/13

Issuing Analyst

Melina Kennedy

Date

11/24/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

TLN



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

DBH
msk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
--------------------------------------	----------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/13/2013
TEST EQUIPMENT NUMBER 010620		

10:09 EST

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:15

DBH
WHL

Test Results

Instrument Serial Number 010620

Test # 000757 Subject Test

Test Location 1 Department of
Test Date 13 Nov 2013

Test Location 2 Forensic Science
Test Time 10:03
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab
Card Serial Number 121250
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number
Driver's License State

Operator's First Name DONALD
Operator's Middle Initial B
License Number 21250
Effective Date 10/01/2012
Expiration Date 10/01/2014
Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male
Driver's License Expiration 00/00/0000
Court Name DFS

End Date 13 Nov 2013 End Time 10:10

Result Time 10:09

Result Date 13 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:03

Data Type BLK

Sample Value 0.000

Sample Time 10:04

Data Type CHK

Sample Value 0.102

Sample Time 10:04

Data Type BLK

Sample Value 0.000

Sample Time 10:06

Data Type SUBJ

Sample Value 0.000

Sample Time 10:06

Data Type BLK

Sample Value 0.000

Sample Time 10:07

Data Type SUBJ

Sample Value 0.000

Sample Time 10:09

Data Type BLK

Sample Value 0.000

Sample Time 10:10

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG219101-07

Standard Expiration Date 07/09/2014

Tank Pressure 703

Barometric Pressure 763 mmHg

Blow Sample Number 1 Blow Duration 3.45 sec

Blow Volume 1962 cc End-of-Blow Time 10:06

Blow Sample Number 2 Blow Duration 4.13 sec

Blow Volume 2222 cc End-of-Blow Time 10:09

Tamper Evident Stamp 8f32f9cc

Test Status Code 0

Test Status Success

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010620 Test Number: 758

Test Date: 11/13/2013 Test Time: 10:11 EST

Dry Gas Target: 0.100

Lot Number: AG219101-07 Exp Date: 07/09/2014

Tank Pressure: 698 psi Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:12
CHK	0.102	10:13
BLK	0.000	10:14
CHK	0.101	10:15
BLK	0.000	10:16
CHK	0.101	10:17

Test Status: *Success*

Calibration CRC: 3BB5F058

DBT
mk

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010620 Test Number: 759

Test Date: 11/13/2013 Test Time: 10:20 EST

Dry Gas Target: 0.301

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 115 psi Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:21
CHK	0.305	10:21
BLK	0.000	10:23
CHK	0.304	10:24
BLK	0.000	10:25
CHK	0.304	10:26

Test Status: *Success*

Calibration CRC: 3BB5F058

DBH

WHL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010620

System Date: 11/13/2013

System Time: 11:03 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

MLK

Intox EC/IR-11: Calibration

Department of Forensic Science

Serial Number: 010620 Test Number: 760

Test Date: 11/13/2013 Test Time: 11:04 EST

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 375 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:05
CAL	0.100	11:06

Test Status: Success

Calibration CRC: 0C2FEE1E

DBH

ASK

DBH

Intox EC/IR-11: Certification

MSK

Department of Forensic Science

Serial Number: 010620 Test Number: 761

Test Date: 11/13/2013 Test Time: 11:09 EST

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 149 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:10
BLK	0.000	11:11
CHK	0.248	11:11
BLK	0.000	11:13
CHK	0.247	11:14
BLK	0.000	11:15
CHK	0.247	11:16
BLK	0.000	11:17

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010620 Test Number: 762

Test Date: 11/13/2013 Test Time: 11:20 EST

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 683 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:20
BLK	0.000	11:21
CHK	0.149	11:22
BLK	0.000	11:23
CHK	0.149	11:24
BLK	0.000	11:25
CHK	0.149	11:26
BLK	0.000	11:28

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010620 Test Number: 763

Test Date: 11/13/2013 Test Time: 11:31 EST

DBH

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 115 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:31
BLK	0.000	11:32
CHK	0.080	11:33
BLK	0.000	11:34
CHK	0.080	11:35
BLK	0.000	11:36
CHK	0.080	11:37
BLK	0.000	11:38

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-11: Certification

DBH

Department of Forensic Science

Serial Number: 010620 Test Number: 764

WJL

Test Date: 11/13/2013 Test Time: 11:41 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 992 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:41
BLK	0.000	11:42
CHK	0.020	11:43
BLK	0.000	11:44
CHK	0.020	11:45
BLK	0.000	11:46
CHK	0.020	11:47
BLK	0.000	11:48

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010620 Test Number: 765

Test Date: 11/13/2013 Test Time: 11:51 EST

Dry Gas Target: 0.300

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 110 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:52
CHK	0.302	11:53
BLK	0.000	11:55
CHK	0.301	11:55
BLK	0.000	11:57
CHK	0.301	11:58

Test Status: Success

Calibration CRC: 0C2FEE1E

120/17
WSK

Intox EC/1R-11: Accuracy Check

Department of Forensic Science

Serial Number: 010620 Test Number: 766

Test Date: 11/13/2013 Test Time: 12:01 EST

Dry Gas Target: 0.100

Lot Number: AG320502-28 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:02
CHK	0.100	12:02
BLK	0.000	12:04
CHK	0.100	12:05
BLK	0.000	12:06
CHK	0.100	12:07

Test Status: Success

Calibration CRC: 0C2FEE1E

DBH

WDL

DBH
Mick



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/13/2013
TEST EQUIPMENT NUMBER 010620		

12:16 EST

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:14

DBH
msk

Test Results

Instrument Serial Number 010620

Test # 000767 Subject Test

Test Location 1 Department of
Test Date 13 Nov 2013

Test Location 2 Forensic Science
Test Time 12:09
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Nov 2013 End Time 12:17

Result Time 12:16

Result Date 13 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:10

Data Type BLK

Sample Value 0.000

Sample Time 12:11

Data Type CHK

Sample Value 0.100

Sample Time 12:11

Data Type BLK

Sample Value 0.000

Sample Time 12:13

Data Type SUBJ

Sample Value 0.000

Sample Time 12:14

Data Type BLK

Sample Value 0.000

Sample Time 12:15

Data Type SUBJ

Sample Value 0.000

Sample Time 12:16

Data Type BLK

Sample Value 0.000

Sample Time 12:17

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-28

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.79 sec

Blow Volume 2041 cc End-of-Blow Time 12:14

Blow Sample Number 2 Blow Duration 4.09 sec

Blow Volume 2140 cc End-of-Blow Time 12:16

Tamper Evident Stamp 9a237e80

Test Status Code 0

Test Status Success